

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61M15/00 G06M3/12 G06M1/08 E05B15/00 E05C17/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61M G06M E05C E05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 169 664 A (HAPPICH GMBH GEBR) 7 September 1973 (1973-09-07) page 4, line 24 - page 8, line 6 figures 1-4	1-8
X	FR 2 373 658 A (TECHNAL INTERNATIONALE SA) 7 July 1978 (1978-07-07) the whole document	1,2,6,7
X	CH 267 906 A (SCHAETTI ZOPFI JOS) 30 April 1950 (1950-04-30) the whole document	1,2,6
X	FR 2 288 844 A (MURZEAU JACK) 21 May 1976 (1976-05-21) the whole document	1,2,6,7
	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

Date of the actual completion of the international search

30 September 2004

Date of mailing of the international search report

08/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Azaïzia, M

BEST AVAILABLE COPY

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 129 412 A (EDELE HARRY H) 6 September 1938 (1938-09-06) cited in the application. the whole document -----	1-8
A	EP 0 959 211 A (WINKHAUS UK LIMITED) 24 November 1999 (1999-11-24) the whole document -----	1-8
P,X	WO 2004/041334 A (BANG & OLUFSEN MEDICOM AS ; RASMUSSEN JOERGEN (DK); CHRISTRUP SOEREN ()) 21 May 2004 (2004-05-21) page 22, line 5 - page 28, line 3 page 37, line 7 - page 39, line 20 figures 19-23 -----	1-12
A	US 2002/157666 A1 (FERRIS MARTIN W) 31 October 2002 (2002-10-31) the whole document -----	9-12

BEST AVAILABLE COPY

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
FR 2169664	A	07-09-1973	DE	2203669 A1	02-08-1973
			FR	2169664 A5	07-09-1973
FR 2373658	A	07-07-1978	FR	2373658 A1	07-07-1978
CH 267906	A	30-04-1950	NONE		
FR 2288844	A	21-05-1976	FR	2288844 A1	21-05-1976
US 2129412	A	06-09-1938	NONE		
EP 0959211	A	24-11-1999	GB	2337554 A	24-11-1999
			EP	0959211 A2	24-11-1999
WO 2004041334	A	21-05-2004	WO	2004041334 A2	21-05-2004
US 2002157666	A1	31-10-2002	US	6397837 B1	04-06-2002

BEST AVAILABLE COPY